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July 29, 2008



"Express Mail" mailing number: EV924484909US

Date of Deposit: July 29, 2008

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to Mail Stop Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Carly Martin

*Carly Martin*

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: U.S. Patent Application Serial No. 10/520,341 for PURIFIED AND ISOLATED HEPARAN SULFATE 3-O-SULFOTRANSFERASE ISOFORM 5 NUCLEIC ACIDS AND POLYPEPTIDES AND THERAPEUTIC AND SCREENING METHODS USING SAME  
Our File No. 421/67 PCT/US

Sir:

Please find enclosed in connection with the subject U.S. patent application the following documents:

1. Amendment Transmittal Form (1 page);
2. Amendment and Response under 37 C.F.R. § 1.111 (22 pages) with Exhibit B (1 page); and
3. A return-receipt card to be returned to our offices with the U.S. Patent and Trademark filing stamp thereon.

Although no fee is believed to be due, the Commissioner is hereby authorized to charge any deficiencies of payment or credit any over payment associated with the filing of this correspondence, to Deposit Account Number **50-0426**.

Respectfully submitted,

JENKINS, WILSON, TAYLOR & HUNT, P.A.

*Arles A. Taylor, Jr.*

Arles A. Taylor, Jr.  
Registration No. 39,395  
Customer No. 25297

AAT/LRL/cam

Enclosures



**AMENDMENT TRANSMITTAL LETTER  
Under Small Entity Status**

Attorney Docket No:  
421/67 PCT/US

Application Serial Number:  
10/520,341

Filing Date:  
October 20, 2005

Examiner:  
Wu Cheng Winston Shen

Art Unit:  
1632

Invention: Purified and Isolated Heparan Sulfate 3-O-Sulfotransferase Isoform 5 Nucleic Acids and Polypeptides and Therapeutic and Screening Methods Using Same

**TO THE COMMISSIONER FOR PATENTS:**

Transmitted herewith is an amendment in the above-identified application. The fee has been calculated as shown below.

**CLAIMS AS AMENDED**

	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	NO. OF EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	60	MINUS	60	0	\$25	\$ 0.00
INDEP. CLAIMS	9	MINUS	9	0	\$105	\$ 0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$0.00

— Petition is hereby made under 37 CFR 1.136(a) to extend the time for response to the Office Action of \_\_\_\_\_ to and through \_\_\_\_\_, comprising an extension of the shortened statutory period of:  
\_\_\_\_ one month (\$60.00)      \_\_\_\_ three months (\$525.00)  
\_\_\_\_ two months (\$230.00)      \_\_\_\_ four months (\$820.00)

Small entity status of this application under 37 CFR 1.9 and 1.27 has been established by a verified statement previously submitted.

A verified statement to establish small entity status under 37 CFR 1.9 and 1.27 is enclosed.

A check in the amount of \$\_\_\_\_\_ is attached.

Charge \$\_\_\_\_\_ to Deposit Account \_\_\_\_\_.

No additional fee is required.

July 29, 2008  
date

Arles A. Taylor, Jr.  
Reg. No. 39,395

"Express Mail" mailing number: EV924484909US

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*Carly Martin*

Carly Martin

**PATENT**



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Liu et al.

Group Art Unit: 1632

**Serial No.: 10/520,341**

Examiner: Shen, Wu Cheng Winston

Filed: October 20, 2005

Docket No.: 421/67 PCT/US

Confirmation No.: 2710

For: PURIFIED AND ISOLATED HEPARAN SULFATE 3-O SULFOTRANSFERASE ISOFORM 5 NUCLEIC ACIDS AND POLYPEPTIDES AND THERAPEUTIC AND SCREENING METHODS USING SAME

\* \* \* \* \*

**AFTER FINAL AMENDMENT B**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This is responsive to the Final Official Action dated April 29, 2008, having a period for response that extends up to and including July 29, 2008. Favorable consideration is respectfully requested in view of the following Amendments and Remarks.